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PATENT
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SELECTION OF CODING PARAMETERS BASED ON SPECTRAL CONTENT OF A SPEECH SIGNAL

INVENTORS

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Yang Gao
Huan-Yu Su

BACKGROUND OF THE INVENTION

1. Cross Reference to Related Applications.

This application claims the benefit of provisional application serial number
600233044
10 _____, entitled SIGNAL PROCESSING SYSTEM FOR FILTERING
SPECTRAL CONTENT OF A SIGNAL FOR SPEECH CODING, filed on
September 15, 2000 under 35 U.S.C. 119(e).



2. Technical Field.

This invention relates to selection of coding parameters based on spectral
15 content or tilt of a speech signal.

3. Related Art.

An analog portion of a communications network may detract from the desired
audio characteristics of vocoded speech. In a public switched telephone network, a
trunk between exchanges or a local loop from a local office to a fixed subscriber
20 station may use analog representations of the speech signal. For example, a
telephone station typically transmits an analog modulated signal with an
approximately 3.4 KHz bandwidth to the local office over the local loop. The local
office may include a channel bank that converts the analog signal to a digital pulse-
code-modulated signal (e.g., DS0). An encoder in a base station may subsequently